AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the Application:

Listing of Claims:

Claims 1-51. (Canceled).

Claim 52. (Previously presented) A method for processing voice in a device supporting wireless internet protocol communications over a network, the method comprising:

receiving a voice stream;

digitizing the voice stream to provide digital voice data;

compressing the digital voice data;

packetizing the digital voice data according to an internet protocol for communication over the network;

transmitting via wireless communication the digital voice data packets;

receiving digital voice data packets communicated over the network;

converting the received digital voice data packets to a voice stream;

buffering, for a buffer time, depacketized digital voice data before converting the digital voice data to a voice stream, the buffer time being adjustable to accommodate variations in propagation times over the network; and

wherein the buffer time is based upon a period of time between sending at least one test packet to the origin of received digital voice data packets, and receiving at least one corresponding response packet from the origin of the received digital voice data packets.

Claim 53. (Previously presented) A method as recited in claim 52 wherein the packetizing includes adding a group identifier to each digital voice data packet.

Claim 54. (Previously presented) A method as recited in claim 53 includes monitoring the received voice stream for a lack of voice for a minimum period of time; and adding a different group identifier to a voice stream with voice that is subsequent to the lack of voice for the minimum period of time.

Claims 55-59. (Cancelled)

Claim 60. (Previously presented) A system for processing voice for transmission over a network having variable propagation delays comprising:

a transmitter and receiver for wireless communication;

conversion circuitry for converting an analog voice stream to digital voice data and for converting digital voice data to an analog voice stream for the reproduction of voice;

a processing circuit for managing the packetization of the digital voice data to provide digital voice data packets and for managing the depacketization of digital voice data packets, the processing circuit packetizing the digital voice data according to an internet protocol;

a buffer for buffering digital voice data after depacketization, the processing circuit directing delivery of the buffered digital voice data to the conversion circuitry after a delay that is adjustable by the processing circuit to accommodate variations in packet propagation delays over the network; and

wherein the delay is based upon a period of time between the processing circuit sending at least one test packet to the origin of received digital voice data packets, and receiving at least one corresponding response packet from the origin of the received digital voice data packets.

Claim 61. (Currently amended) A method for processing voice in a device supporting wireless internet protocol communications over a network, the method comprising:

receiving a voice stream;

monitoring the received voice stream for a lack of voice for a minimum period of time;

adding a different group identifier to a voice stream with voice that is subsequent to the lack of voice for the minimum period of time;

digitizing the voice stream to provide digital voice data;

compressing the digital voice data;

packetizing the digital voice data according to an internet protocol for communication over the network, wherein the packetizing includes adding [[a]] the group identifier to each digital voice data packet;

transmitting via wireless communication the digital voice data packets;

receiving digital voice data packets communicated over the network;

converting the received digital voice data packets to a voice stream; and

buffering, for a buffer time, depacketized digital voice data before converting the digital voice data to a voice stream, the buffer time being adjustable to accommodate variations in propagation times over the network.

Claim 62-72. (Cancelled)

Claim 73. (Previously presented) A method as recited in claim 52 wherein the device is a mobile device.

Claim 74. (Previously presented) A method as recited in claim 73 wherein the device is a handheld device configured to be operated while being held in a hand of a user.

Claim 75. (Previously presented) A method as recited in claim 52 wherein the device comprises a keypad.

Claim 76. (Previously presented) A method as recited in claim 52 wherein the device comprises a display.

Claim 77. (Previously presented) A method as recited in claim 52 wherein the wireless internet protocol communications employs a spread spectrum technique.

Claim 78. (Previously presented) A method as recited in claim 77 wherein the spread spectrum technique is a direct sequence spread spectrum technique.

Claim 79. (Previously presented) A method as recited in claim 52 wherein wireless communications takes place in an unlicensed frequency band.

Claim 80. (Previously presented) A method as recited in claim 79 wherein the unlicensed frequency band is approximately 2.4 GHz.

Claim 81. (Previously presented) A method as recited in claim 52 wherein the device is an integrated circuit.

Claim 82. (Previously presented) A system as recited in claim 60 wherein the system is a mobile device.

Claim 83. (Previously presented) A system as recited in claim 82 wherein the system is a handheld device configured to be operated while being held in a hand of a user.

Claim 84. (Previously presented) A system as recited in claim 60 wherein the system comprises a keypad.

Claim 85. (Previously presented) A system as recited in claim 60 wherein the system comprises a display.

Claim 86. (Previously presented) A system as recited in claim 60 wherein the wireless internet protocol communications employs a spread spectrum technique.

Claim 87. (Previously presented) A system as recited in claim 86 wherein the spread spectrum technique is a direct sequence spread spectrum technique.

Claim 88. (Previously presented) A system as recited in claim 60 wherein wireless communications takes place in an unlicensed frequency band.

Claim 89. (Previously presented) A system as recited in claim 88 wherein the unlicensed frequency band is approximately 2.4 GHz.

Claim 90. (Previously presented) A system as recited in claim 60 wherein the system is an integrated circuit.

Claim 91. (Previously presented) A method as recited in claim 61 wherein the device is a mobile device.

Claim 92. (Previously presented) A method as recited in claim 91 wherein the device is a handheld device configured to be operated while being held in a hand of a user.

Claim 93. (Previously presented) A method as recited in claim 61 wherein the device comprises a keypad.

Claim 94. (Previously presented) A method as recited in claim 61 wherein the device comprises a display.

Claim 95. (Previously presented) A method as recited in claim 61 wherein the wireless internet protocol communications employs a spread spectrum technique.

Claim 96. (Previously presented) A method as recited in claim 95 wherein the spread spectrum technique is a direct sequence spread spectrum technique.

Claim 97. (Previously presented) A method as recited in claim 61 wherein wireless communications takes place in an unlicensed frequency band.

Claim 98. (Previously presented) A method as recited in claim 97 wherein the unlicensed frequency band is approximately 2.4 GHz.

Claim 99. (Previously presented) A method as recited in claim 61 wherein the system is an integrated circuit.

Claims 100-143. (Cancelled)

Claim 144. (New) A method for processing voice in a device supporting wireless internet protocol communications over a network, the method comprising:

receiving a voice stream;

digitizing the voice stream to provide digital voice data;

compressing the digital voice data;

monitoring the received voice stream for a lack of voice for a minimum period of time;

packetizing the digital voice data according to an internet protocol for communication over the network, wherein the packetizing includes adding a different group identifier to each digital voice data packet of a voice stream with voice that is subsequent to the lack of voice for the minimum period of time;

transmitting via wireless communication the digital voice data packets;

receiving digital voice data packets communicated over the network;

converting the received digital voice data packets to a voice stream;

buffering, for a buffer time, depacketized digital voice data before converting the digital voice data to a voice stream, the buffer time being adjustable to accommodate variations in propagation times over the network; and

wherein the buffer time is based upon a period of time between sending at least one communication to the origin of received digital voice data packets, and receiving at least one corresponding response communication from the origin of the received digital voice data packets.

Claim 145. (New) A method as recited in claim 144 wherein the device is a mobile device.

Claim 146. (New) A method as recited in claim 145 wherein the device is a handheld device configured to be operated while being held in a hand of a user.

Claim 147. (New) A method as recited in claim 144 wherein the device comprises a keypad.

Claim 148. (New) A method as recited in claim 144 wherein the device comprises a display.

Claim 149. (New) A method as recited in claim 144 wherein the wireless internet protocol communications employs a spread spectrum technique.

Claim 150. (New) A method as recited in claim 149 wherein the spread spectrum technique is a direct sequence spread spectrum technique.

Claim 151. (New) A method as recited in claim 144 wherein wireless communications takes place in an unlicensed frequency band.

Claim 152. (New) A method as recited in claim 151 wherein the unlicensed frequency band is approximately 2.4 GHz.

Claim 153. (New) A method as recited in claim 144 wherein the device is an integrated circuit.

Claim 154. (New) A method for processing voice in a device supporting wireless internet protocol communications over a network, the method comprising:

receiving a voice stream;

digitizing the voice stream to provide digital voice data;

compressing the digital voice data;

monitoring the received voice stream for a lack of voice for a minimum period of time;

packetizing the digital voice data according to an internet protocol for communication over the network;

adding a different group identifier to each digital voice data packet of a voice stream with voice that is subsequent to the lack of voice for the minimum period of time;

transmitting via wireless communication the digital voice data packets;

receiving digital voice data packets communicated over the network;

converting the received digital voice data packets to a voice stream;

buffering, for a buffer time, depacketized digital voice data before converting the digital voice data to a voice stream, the buffer time being adjustable to accommodate variations in propagation times over the network; and

wherein the buffer time is based upon a period of time between sending at least one packet to the origin of received digital voice data packets, and receiving at least one corresponding response packet from the origin of the received digital voice data packets.

Claim 155. (New) A method as recited in claim 154 wherein the device is a mobile device.

Claim 156. (New) A method as recited in claim 155 wherein the device is a handheld device configured to be operated while being held in a hand of a user.

Claim 157. (New) A method as recited in claim 154 wherein the device comprises a keypad.

Claim 158. (New) A method as recited in claim 154 wherein the device comprises a display.

Claim 159. (New) A method as recited in claim 154 wherein the wireless internet protocol communications employs a spread spectrum technique.

Claim 160. (New) A method as recited in claim 159 wherein the spread spectrum technique is a direct sequence spread spectrum technique.

Claim 161. (New) A method as recited in claim 154 wherein wireless communications takes place in an unlicensed frequency band.

Claim 162. (New) A method as recited in claim 161 wherein the unlicensed frequency band is approximately 2.4 GHz.

Claim 163. (New) A method as recited in claim 154 wherein the device is an integrated circuit.